

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/25581

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G06F 15/173

US CL : 709/223, 224, 320, 329

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 709/223, 224, 320, 329

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P — Y,P	US 2003/0085918 A1 (BEAUMONT et al) 08 May 2003 (08.05.2003), paragraphs [0003]-[0004], [0010]-[0013], [0023]-[0025], [0031], [0034], [0040]-[0042], [0046], [0050]	1-20 ----- 1-20
	US 2002/0140743 A1 (DELUCA et al) 03 October 2002 (03.10.2002), paragraphs [0038], [0041]-[0043], [0046], [0049]-[0050]	
Y,E — Y,P	US 6,654,784 B1 (WEI) 25 November 2003 (25.11.2003), column 5, lines 5-40, column 11, lines 7-25, 60-65	1-20 ----- 1-20
	US 2002/0129129 A1 (BLOCH et al) 12 September 2002 (12.09.2002), paragraphs [0028]-[0030], [0046]-[0047], [0058], [0063]-[0064]	

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

## \* Special categories of cited documents:

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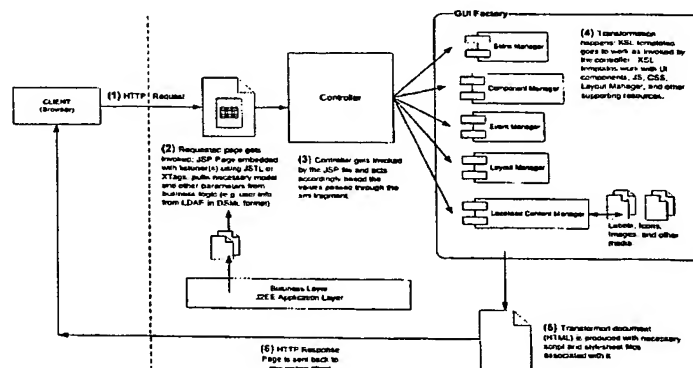
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(54) Title: EXTENSIBLE USER INTERFACE (XUI) FRAMEWORK AND DEVELOPMENT ENVIRONMENT



(57) Abstract: A web application development environment and method employs an extensible user interface (XUI) Framework for creating GUI-managing components written in a declarative format for handling GUI components in a web application. The GUI-managing components are coordinated in a view presentation layer by a Controller in an Extended-Model-View-Controller (XMVC) pattern in conjunction with the business logic layer. The Controller is invoked (3) by a user request for a web page (2) and in turn invokes the GUI-managing components to parse information contained in a corresponding web application file for the requested web page in order to determine the templates and sub-templates to be invoked for handling the GUI components (4). Each template has a mode value which is set by mode information contained in the web application file for the requested web page. The XUI Framework has the ability to handle a rich set of GUI components without having to implement web applications development technologies. Instead, the declarative-formatted GUI components can be created and processed using lightweight technologies for client-side and server-side processing (5). The XUI Framework allows for the efficient authoring and processing of GUI components for a wide range of web applications.